

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092817\
 Data File : BF098920.D
 Acq On : 28 Sep 2017 21:31
 Operator : SJ/JU
 Sample : I5440-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 29 00:45:35 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 23 13:50:58 2017
 Response via : Initial Calibration

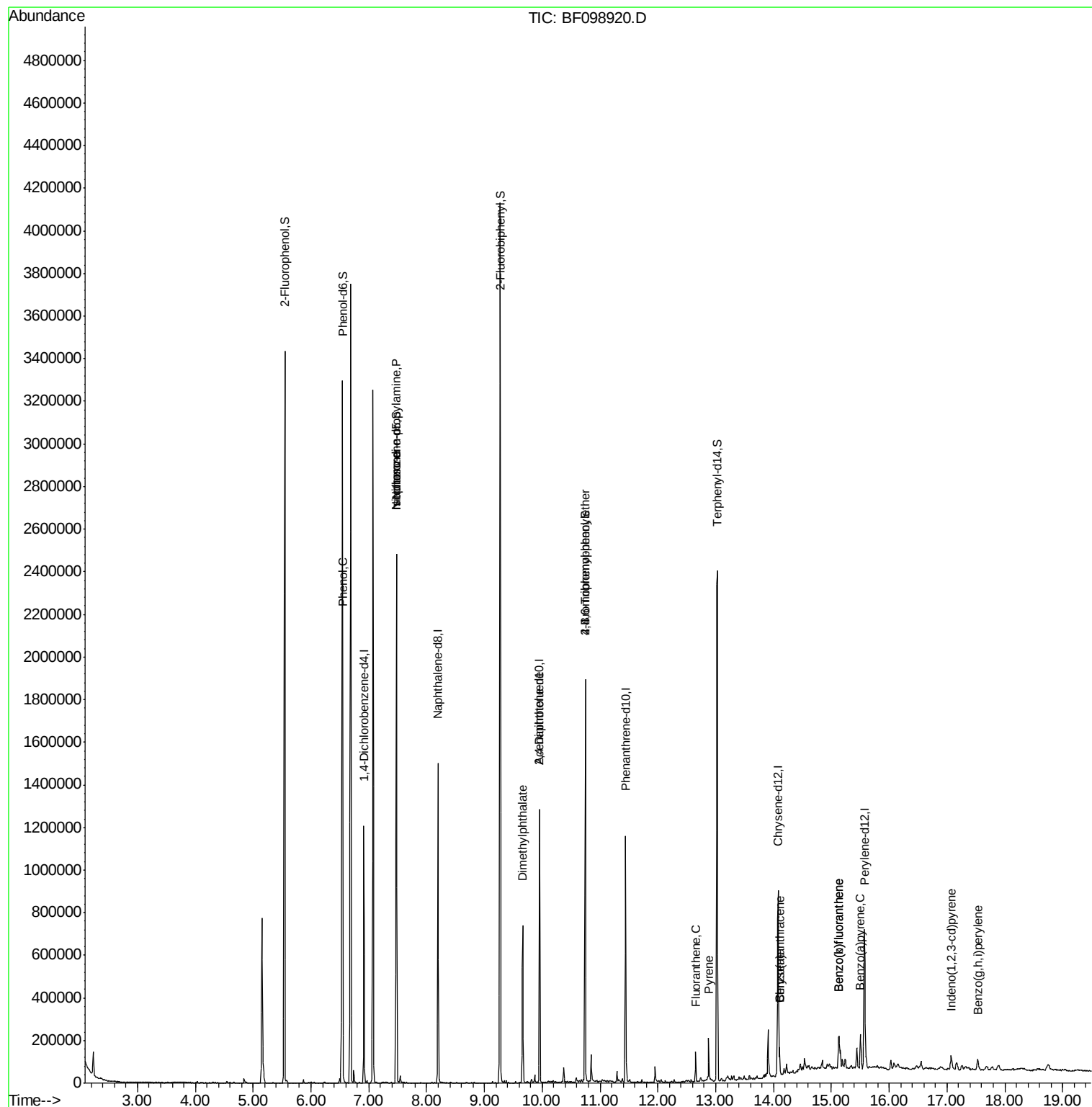
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	154915	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	619872	20.00	ng	0.00
38) Acenaphthene-d10	9.95	164	247974	20.00	ng	-0.01
63) Phenanthrene-d10	11.44	188	354220	20.00	ng	0.00
75) Chrysene-d12	14.08	240	248174	20.00	ng	0.00
86) Perylene-d12	15.57	264	268338	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	1163502	119.56	ng	0.00
7) Phenol-d6	6.55	99	1426499	118.83	ng	0.00
23) Nitrobenzene-d5	7.48	82	861446	89.12	ng	0.00
41) 2,4,6-Tribromophenol	10.74	330	213563	105.25	ng	0.00
44) 2-Fluorobiphenyl	9.27	172	1295274	87.20	ng	0.00
78) Terphenyl-d14	13.03	244	791761	72.55	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.56	94	39438	2.94	ng	95
19) n-Nitroso-di-n-propylamine	7.48	70	112814	14.72	ng	# 78
25) Isophorone	7.48	82	857588	42.91	ng	# 64
49) Dimethylphthalate	9.66	163	269748	14.41	ng	99
56) 2,4-Dinitrotoluene	9.95	165	31869	6.03	ng	# 23
66) 4-Bromophenyl-phenylether	10.74	248	15241	4.40	ng	# 1
74) Fluoranthene	12.65	202	47650	2.48	ng	97
77) Pyrene	12.88	202	71295	3.77	ng	99
80) Benzo(a)anthracene	14.10	228	40952	2.73	ng	95
82) Chrysene	14.10	228	40952	2.86	ng	96
85) Indeno(1,2,3-cd)pyrene	17.07	276	41771	3.65	ng	97
87) Benzo(b)fluoranthene	15.13	252	107054	6.49	ng	# 93
88) Benzo(k)fluoranthene	15.13	252	107054	6.57	ng	96
89) Benzo(a)pyrene	15.50	252	68904	4.55	ng	# 96
91) Benzo(a,h,i)perylene	17.53	276	36334	3.03	ng	# 90

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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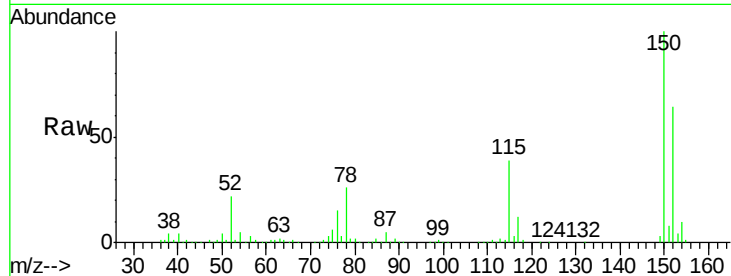


#1

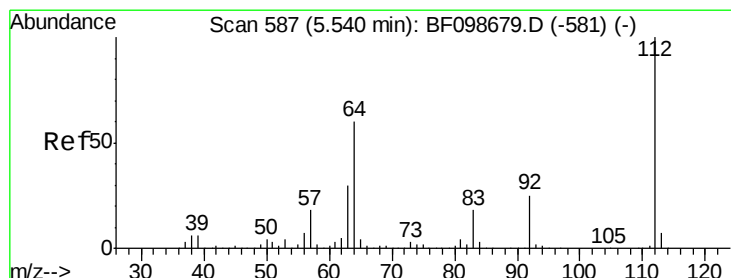
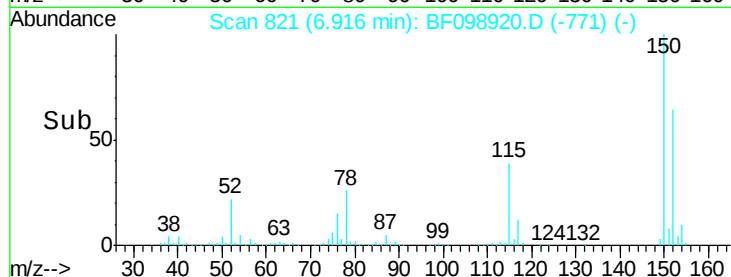
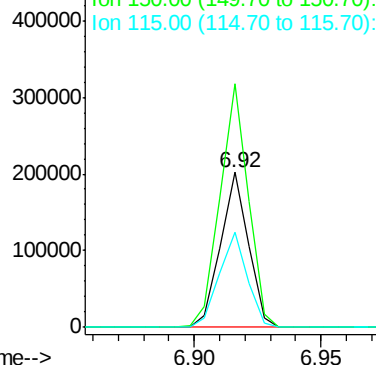
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF098920.D
Acq: 28 Sep 2017 21:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 154915
Ion Ratio Lower Upper
152 100
150 157.3 124.6 186.8
115 61.1 50.1 75.1



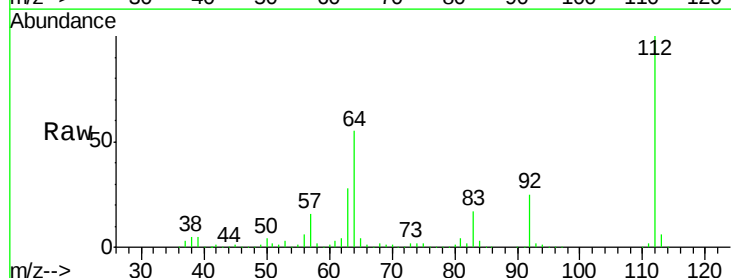
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



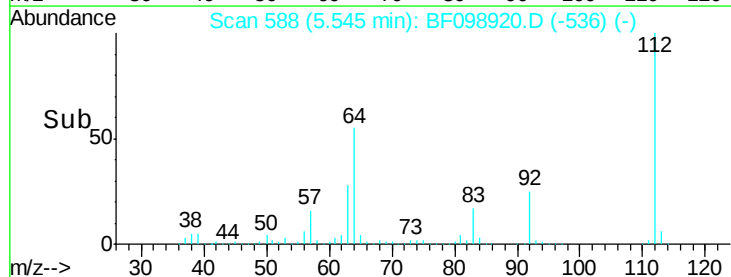
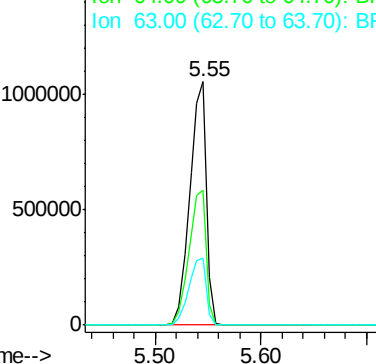
#5

2-Fluorophenol
Concen: 119.56 ng
RT: 5.55 min Scan# 588
Delta R.T. 0.01 min
Lab File: BF098920.D
Acq: 28 Sep 2017 21:31

Tgt Ion:112 Resp: 1163502
Ion Ratio Lower Upper
112 100
64 55.1 47.9 71.9
63 27.7 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 118.83 ng

RT: 6.55 min Scan# 758

Delta R.T. -0.00 min

Lab File: BF098920.D

Acq: 28 Sep 2017 21:31

Instrument :

BNA_F

ClientSampleId :

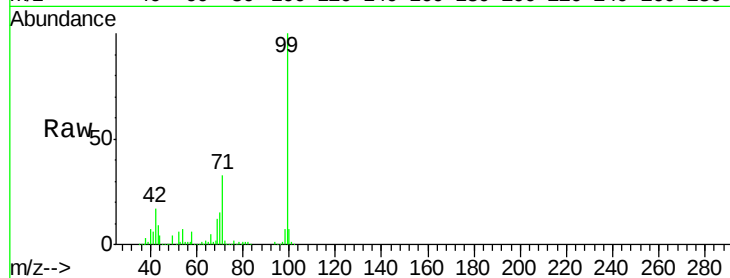
Tot Ion: 99 Resp: 1426499

Ion Ratio Lower Upper

99 100

42 17.5 14.5 21.7

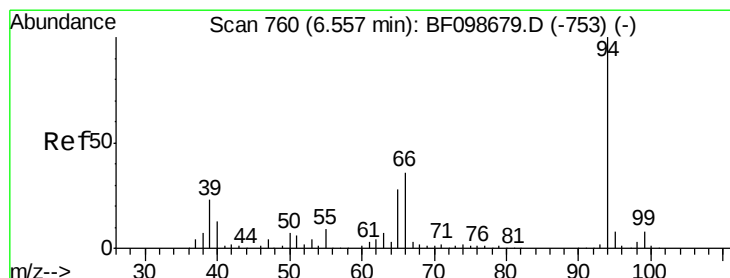
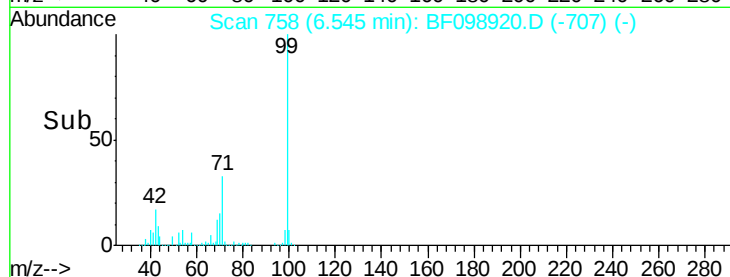
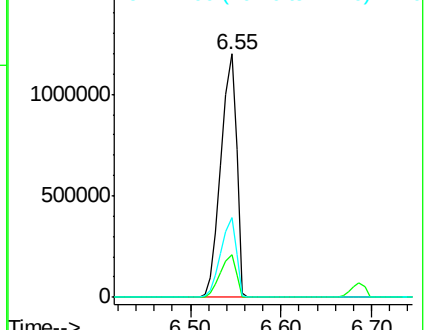
71 33.0 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 2.94 ng

RT: 6.56 min Scan# 760

Delta R.T. -0.00 min

Lab File: BF098920.D

Acq: 28 Sep 2017 21:31

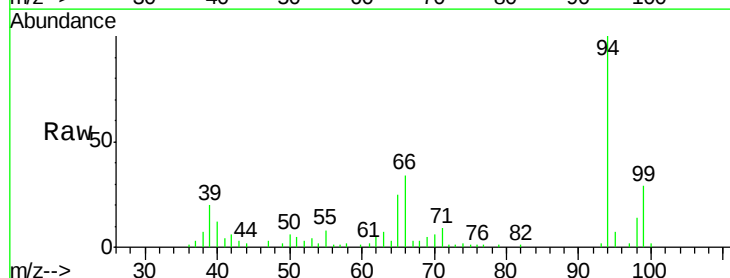
Tgt Ion: 94 Resp: 39438

Ion Ratio Lower Upper

94 100

65 25.0 7.9 47.9

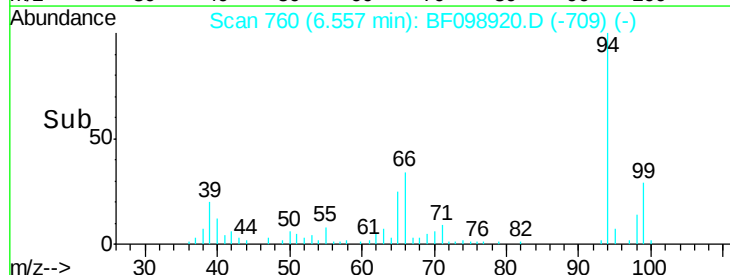
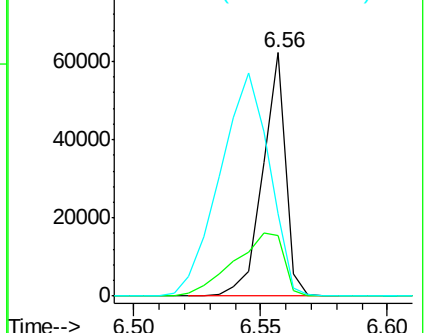
66 33.6 16.2 56.2

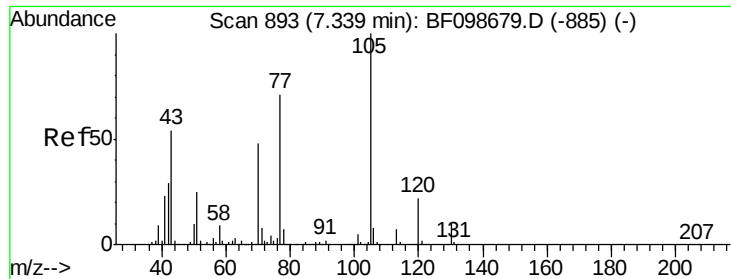


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

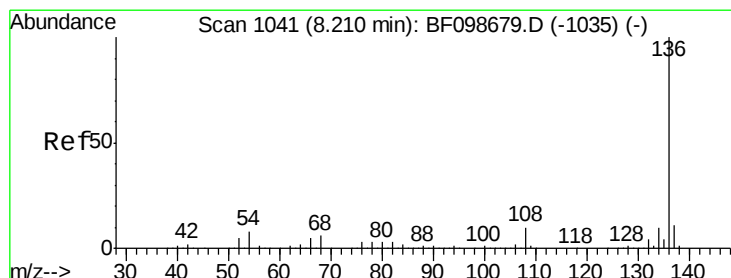
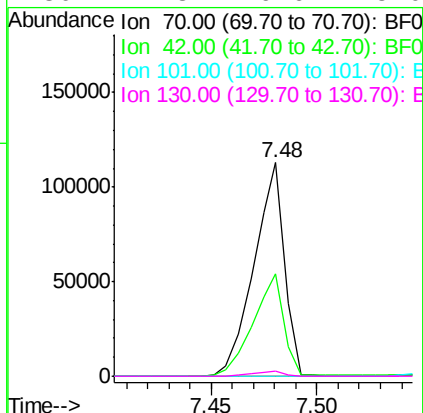
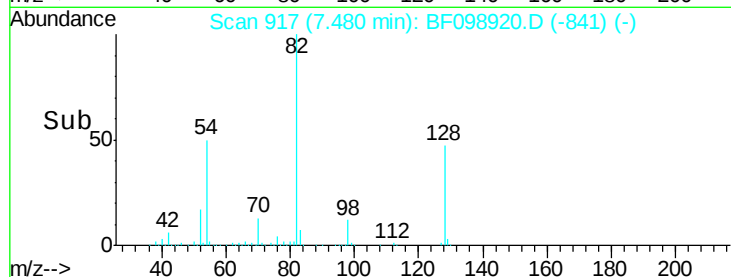
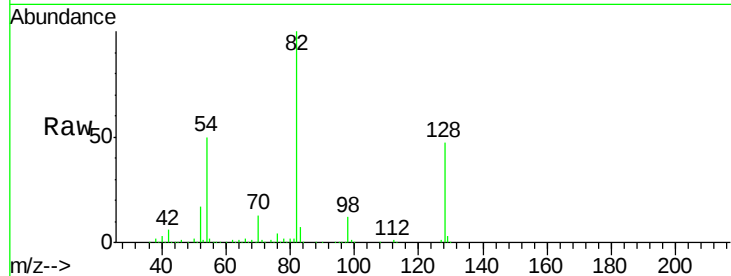




#19
n-Nitroso-di-n-propylamine
Concen: 14.72 ng
RT: 7.48 min Scan# 917
Delta R.T. 0.15 min
Lab File: BF098920.D
Acq: 28 Sep 2017 21:31

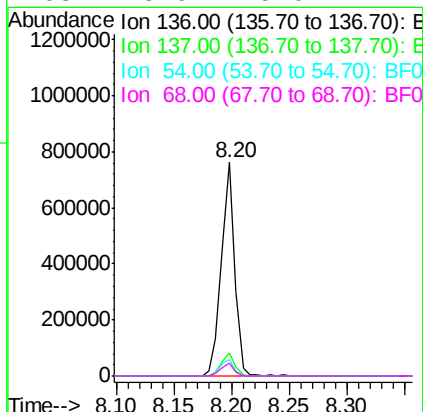
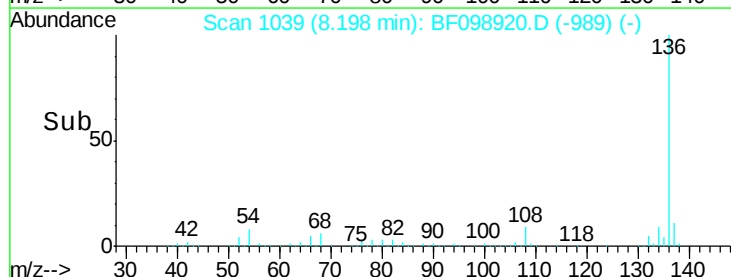
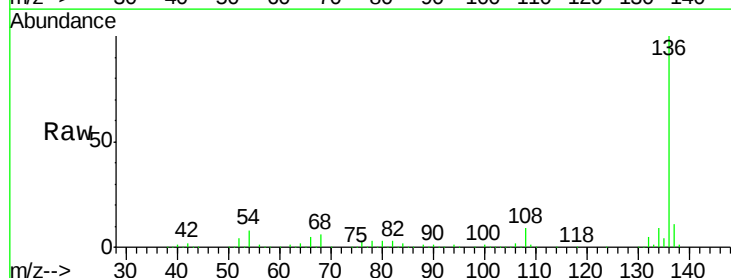
Instrument :
BNA_F
ClientSampleId :

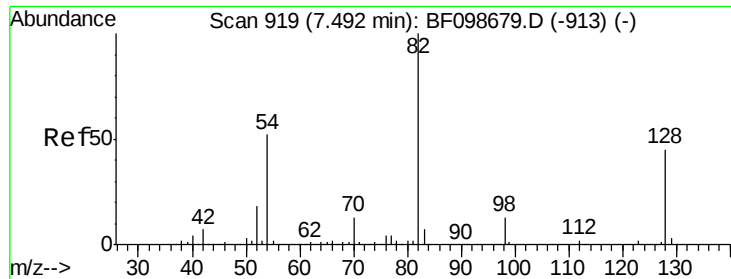
Tot Ion: 70 Resp: 112814
Ion Ratio Lower Upper
70 100
42 47.9 47.5 71.3
101 0.0 7.4 11.2#
130 2.3 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.20 min Scan# 1039
Delta R.T. -0.01 min
Lab File: BF098920.D
Acq: 28 Sep 2017 21:31

Tgt Ion: 136 Resp: 619872
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 7.6 6.6 9.8
68 5.9 5.0 7.4

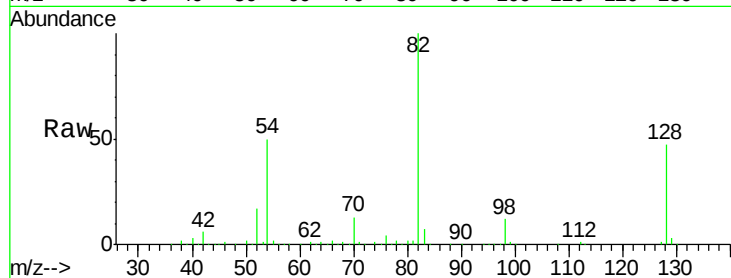




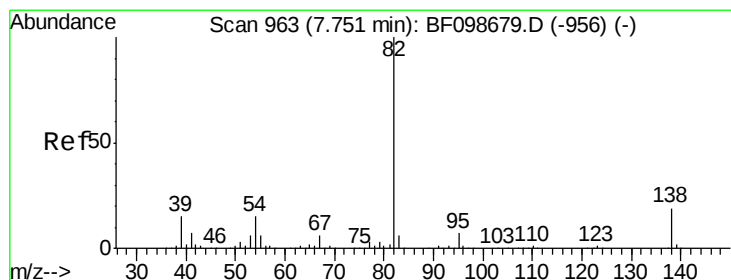
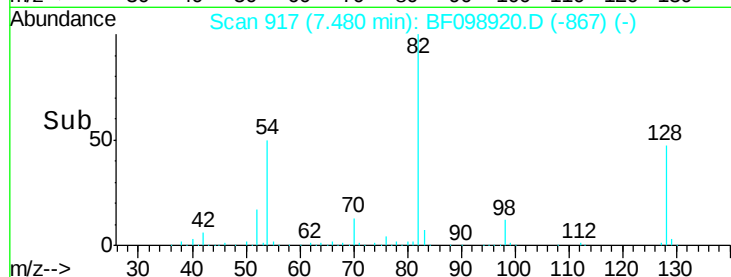
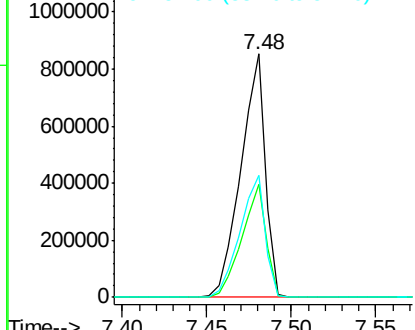
#23
Nitrobenzene-d5
Concen: 89.12 ng
RT: 7.48 min Scan# 917
Delta R.T. -0.01 min
Lab File: BF098920.D
Acq: 28 Sep 2017 21:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 861446
Ion Ratio Lower Upper
82 100
128 46.7 36.1 54.1
54 50.1 41.4 62.2

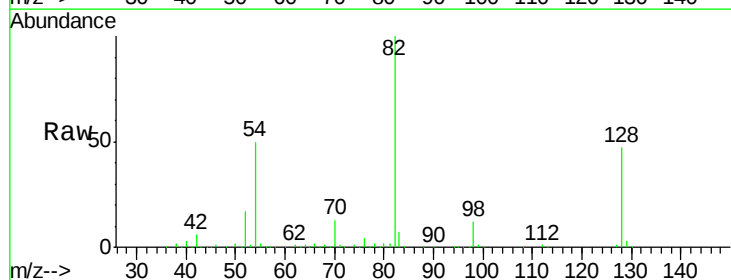


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

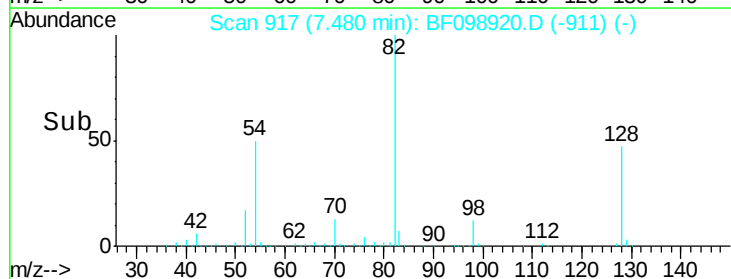
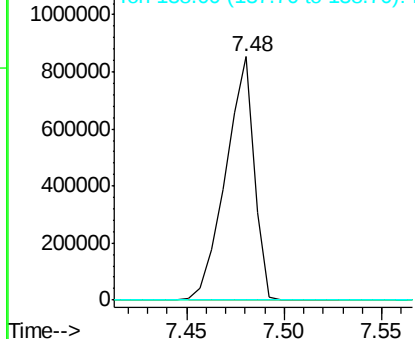


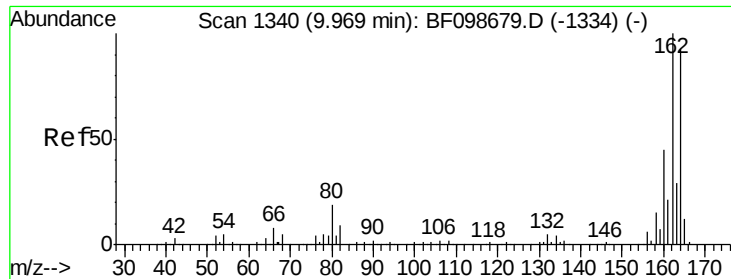
#25
Isophorone
Concen: 42.91 ng
RT: 7.48 min Scan# 917
Delta R.T. -0.26 min
Lab File: BF098920.D
Acq: 28 Sep 2017 21:31

Tgt Ion: 82 Resp: 857588
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0

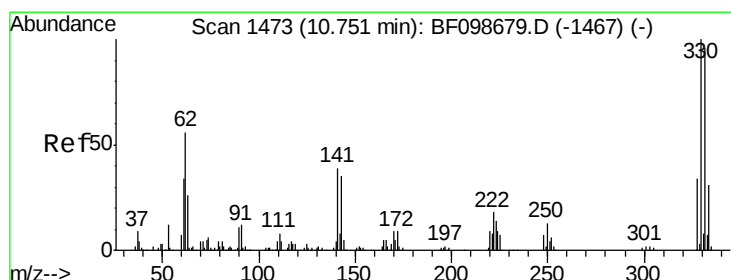
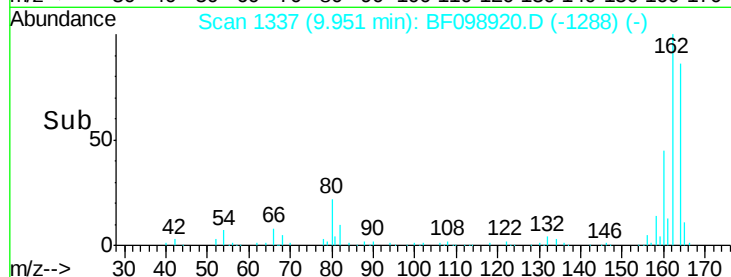
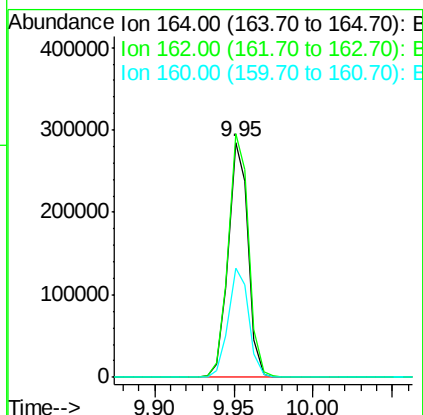
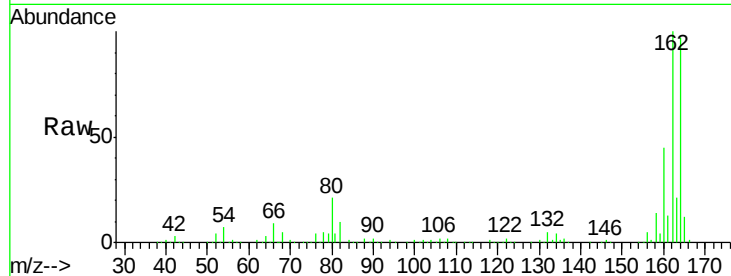




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.95 min Scan# 1337
 Delta R.T. -0.01 min
 Lab File: BF098920.D
 Acq: 28 Sep 2017 21:31

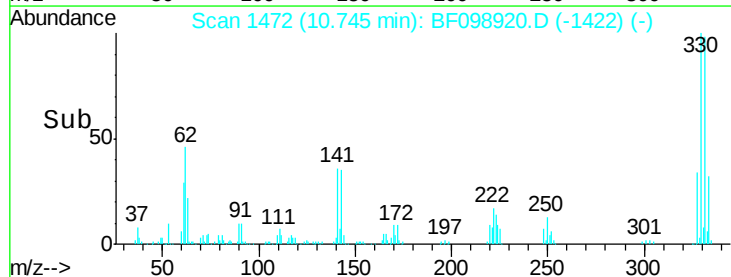
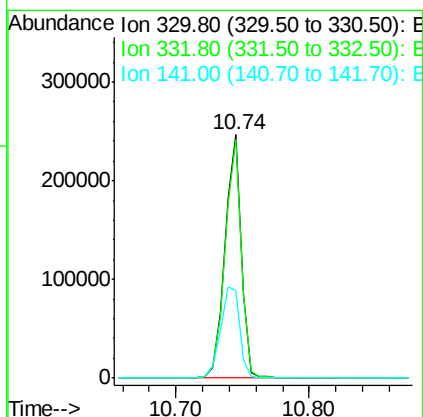
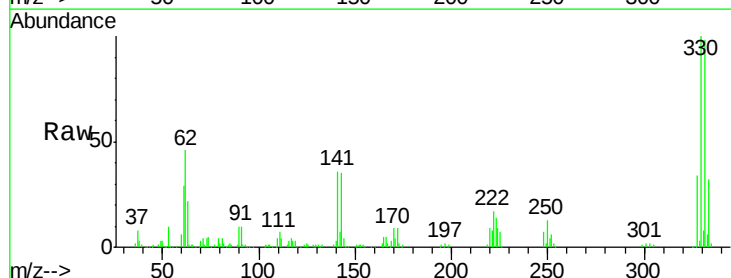
Instrument :
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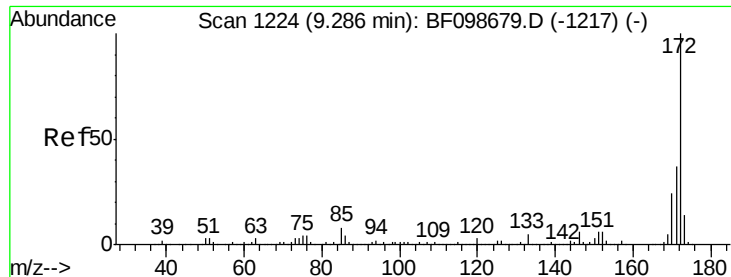
Tot Ion:164 Resp: 247974
 Ion Ratio Lower Upper
 164 100
 162 103.5 86.1 129.1
 160 46.4 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 105.25 ng
 RT: 10.74 min Scan# 1472
 Delta R.T. -0.01 min
 Lab File: BF098920.D
 Acq: 28 Sep 2017 21:31

Tgt Ion:330 Resp: 213563
 Ion Ratio Lower Upper
 330 100
 332 97.3 77.0 115.6
 141 43.7 29.9 44.9

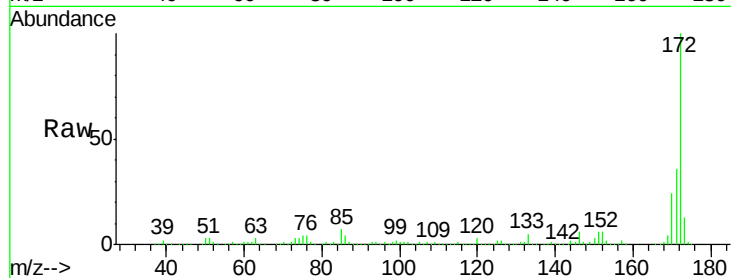




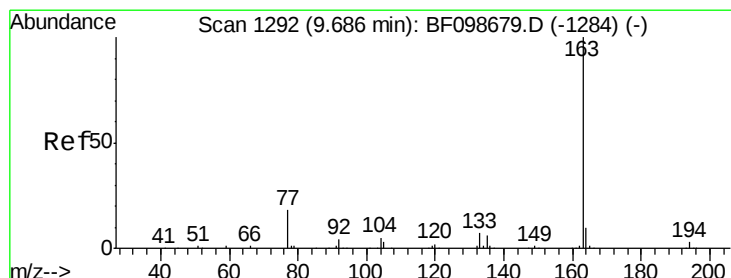
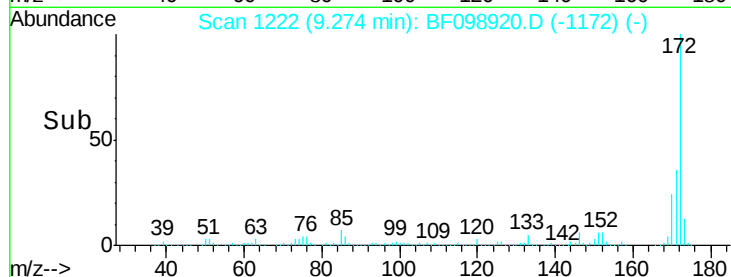
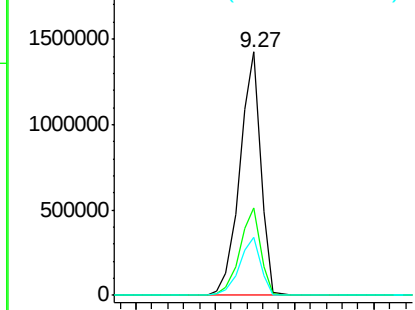
#44
2-Fluorobiphenyl
Concen: 87.20 ng
RT: 9.27 min Scan# 1222
Delta R.T. -0.01 min
Lab File: BF098920.D
Acq: 28 Sep 2017 21:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1295274
Ion Ratio Lower Upper
172 100
171 35.7 29.7 44.5
170 24.0 19.6 29.4

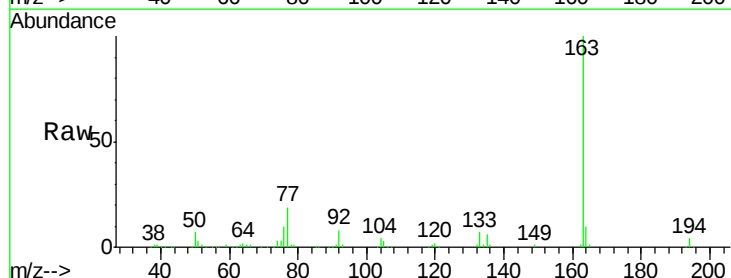


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

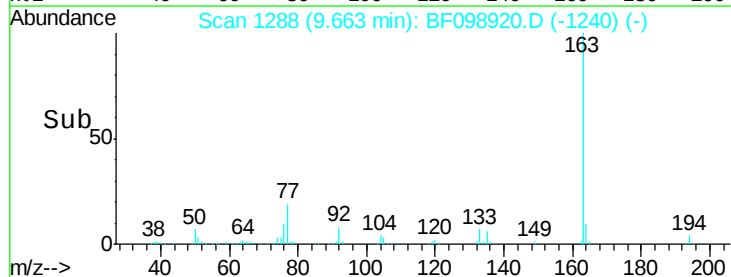
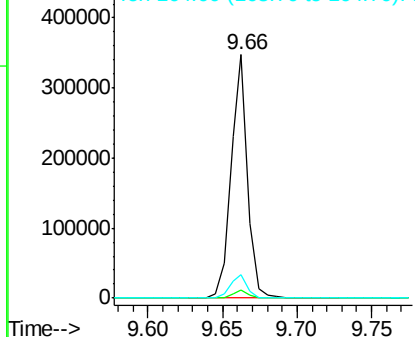


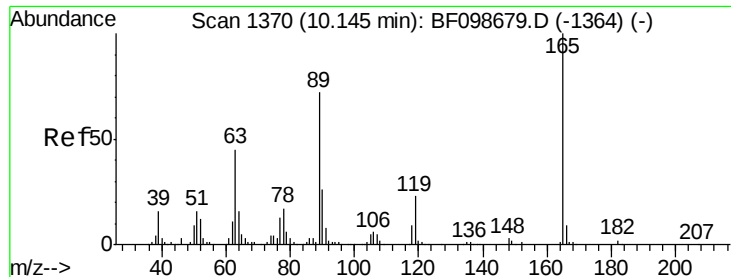
#49
Dimethylphthalate
Concen: 14.41 ng
RT: 9.66 min Scan# 1288
Delta R.T. -0.02 min
Lab File: BF098920.D
Acq: 28 Sep 2017 21:31

Tgt Ion:163 Resp: 269748
Ion Ratio Lower Upper
163 100
194 3.5 2.7 4.1
164 9.6 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

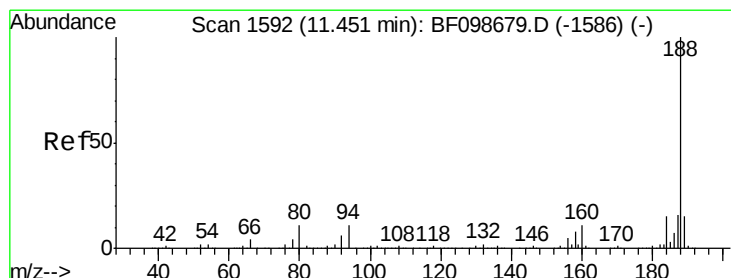
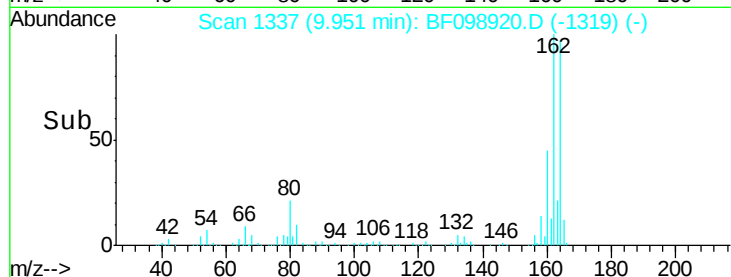
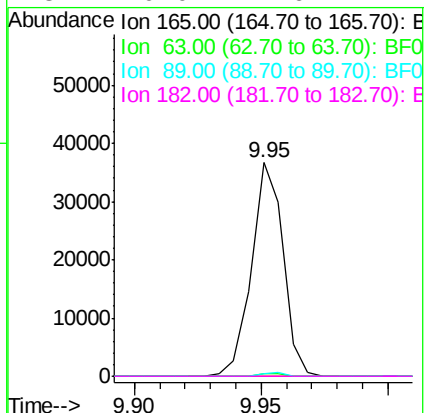
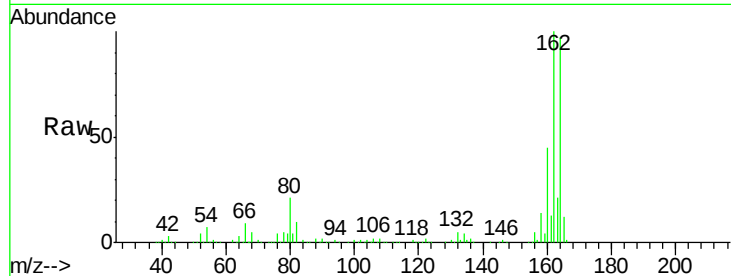




#56
 2,4-Dinitrotoluene
 Concen: 6.03 ng
 RT: 9.95 min Scan# 1337
 Delta R.T. -0.19 min
 Lab File: BF098920.D
 Acq: 28 Sep 2017 21:31

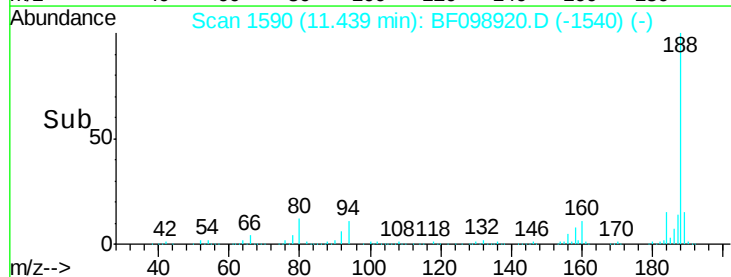
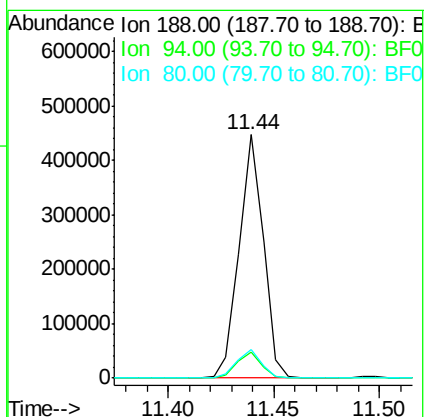
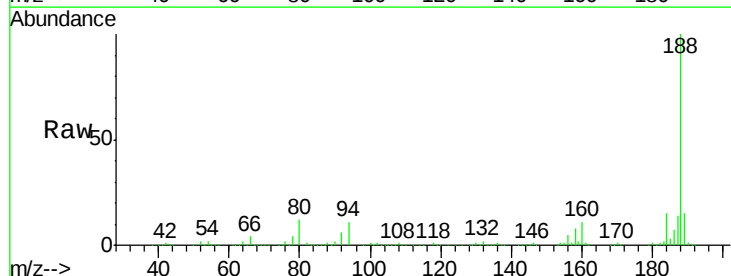
Instrument :
 BNA_F
 ClientSampleId :

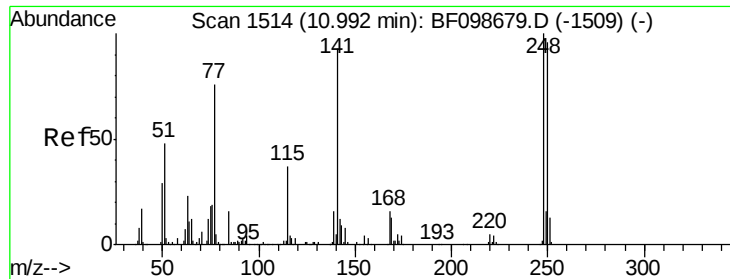
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	36.4	54.6#
89	1.5	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.44 min Scan# 1590
 Delta R.T. -0.01 min
 Lab File: BF098920.D
 Acq: 28 Sep 2017 21:31

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.7	8.5	12.7
80	11.7	9.2	13.8

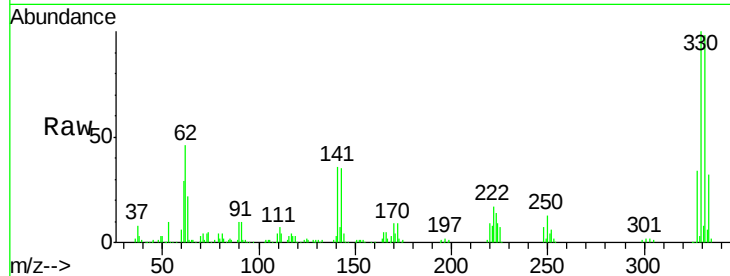




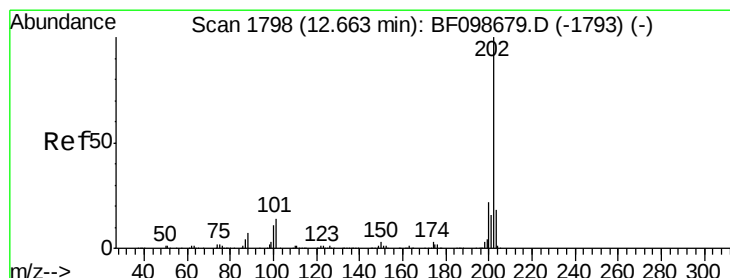
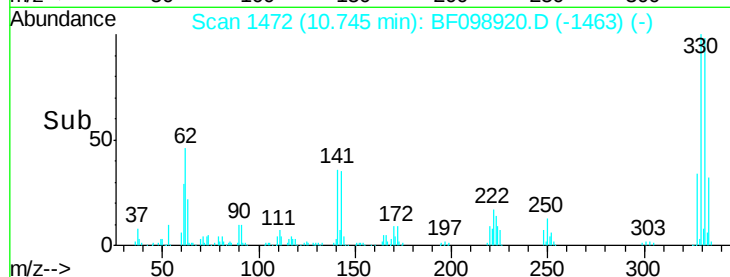
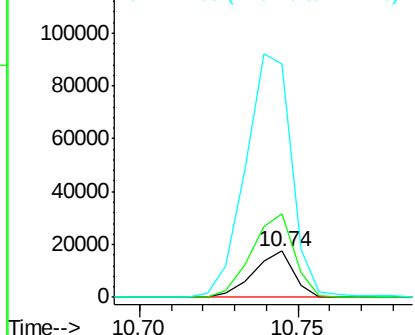
#66
4-Bromophenyl-phenylether
Concen: 4.40 ng
RT: 10.74 min Scan# 1472
Delta R.T. -0.25 min
Lab File: BF098920.D
Acq: 28 Sep 2017 21:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 15241
Ion Ratio Lower Upper
248 100
250 183.1 76.9 115.3#
141 508.0 74.4 111.6#

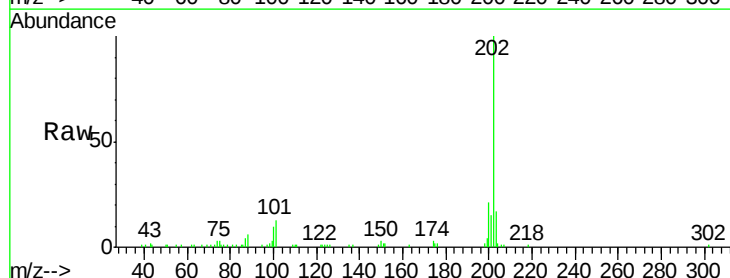


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

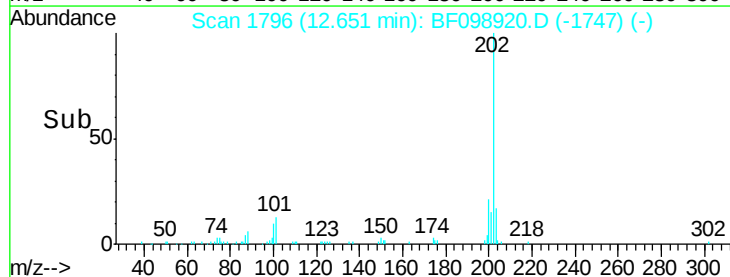
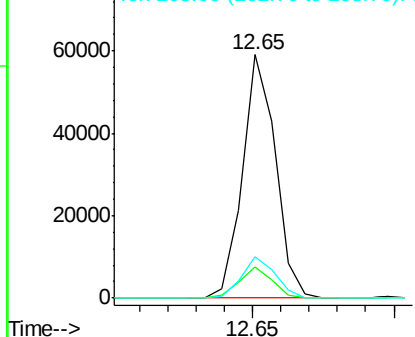


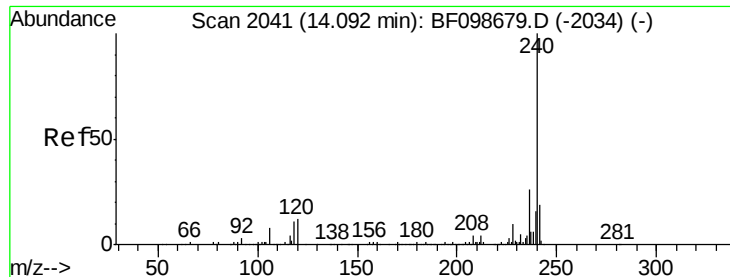
#74
Fluoranthene
Concen: 2.48 ng
RT: 12.65 min Scan# 1796
Delta R.T. -0.01 min
Lab File: BF098920.D
Acq: 28 Sep 2017 21:31

Tgt Ion:202 Resp: 47650
Ion Ratio Lower Upper
202 100
101 12.7 0.0 34.1
203 16.9 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.08 min Scan# 2039

Delta R.T. -0.01 min

Lab File: BF098920.D

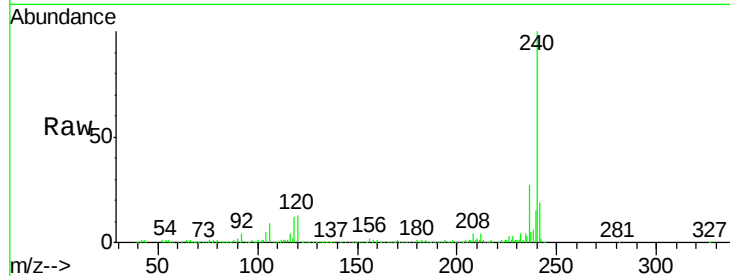
Acq: 28 Sep 2017 21:31

Instrument :

BNA_F

ClientSampleId :

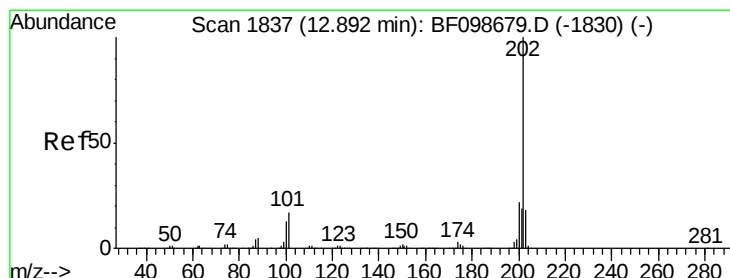
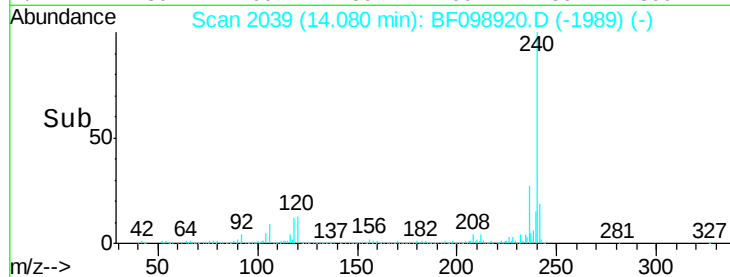
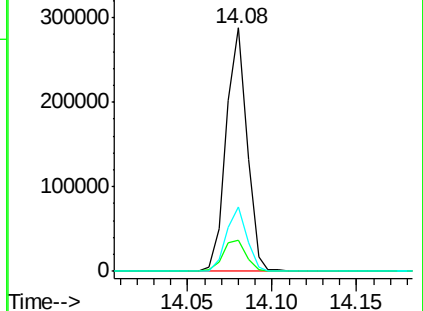
Tot Ion:240	Resp:	248174
Ion Ratio	Lower	Upper
240	100	
120	13.0	9.5 14.3
236	26.7	20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 3.77 ng

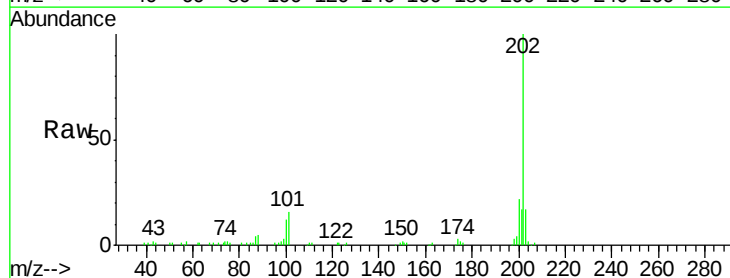
RT: 12.88 min Scan# 1835

Delta R.T. -0.01 min

Lab File: BF098920.D

Acq: 28 Sep 2017 21:31

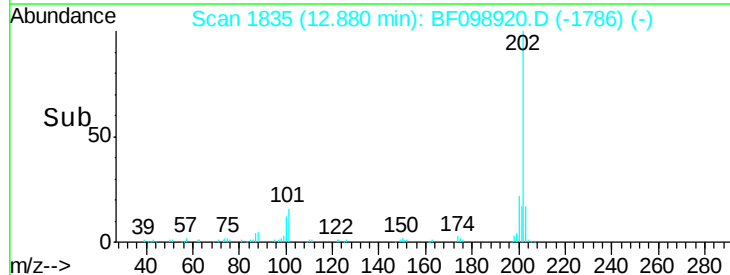
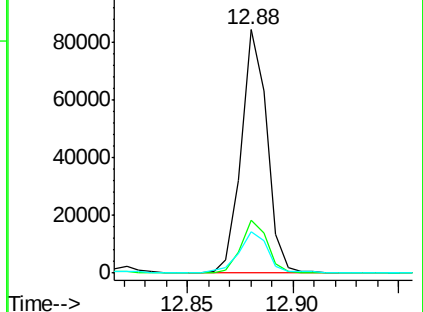
Tgt Ion:202	Resp:	71295
Ion Ratio	Lower	Upper
202	100	
200	21.8	17.4 26.2
203	17.2	14.3 21.5

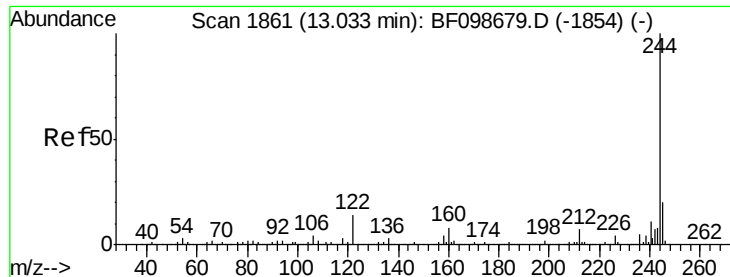


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

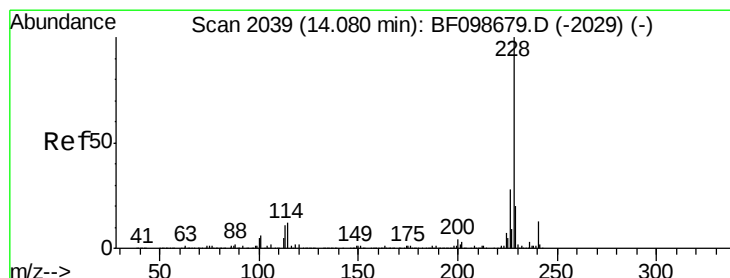
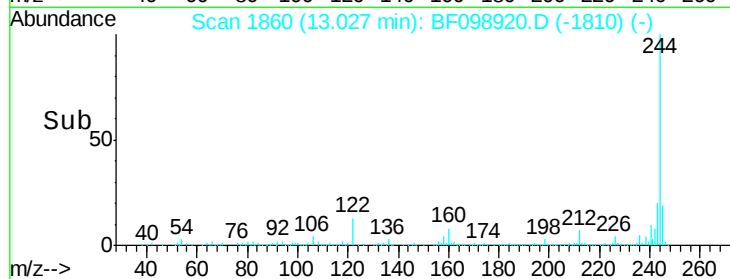
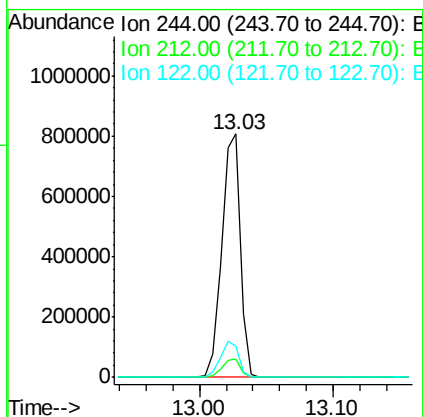
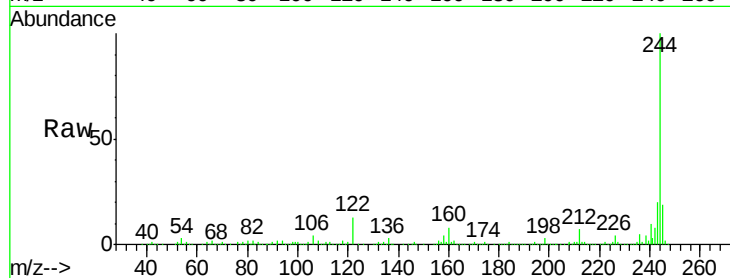




#78
 Terphenyl-d14
 Concen: 72.55 ng
 RT: 13.03 min Scan# 1860
 Delta R.T. -0.01 min
 Lab File: BF098920.D
 Acq: 28 Sep 2017 21:31

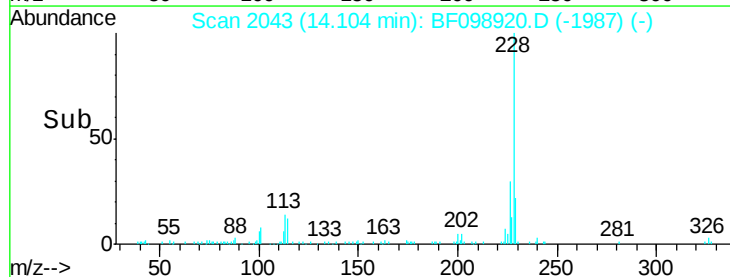
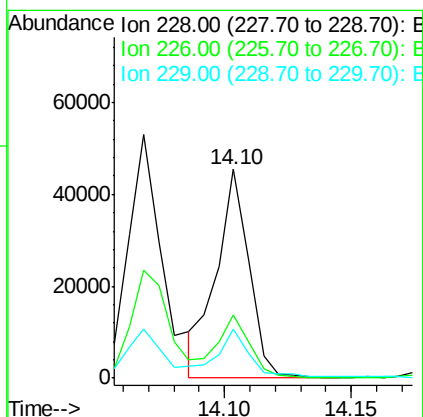
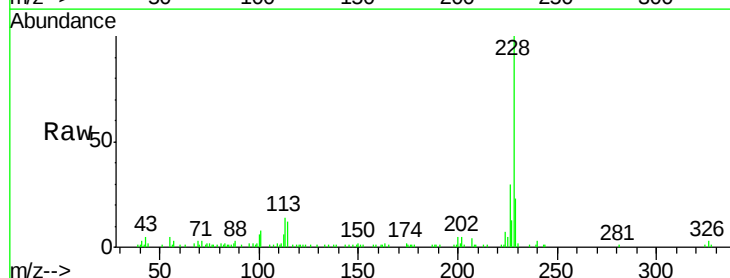
Instrument :
 BNA_F
 ClientSampleId :

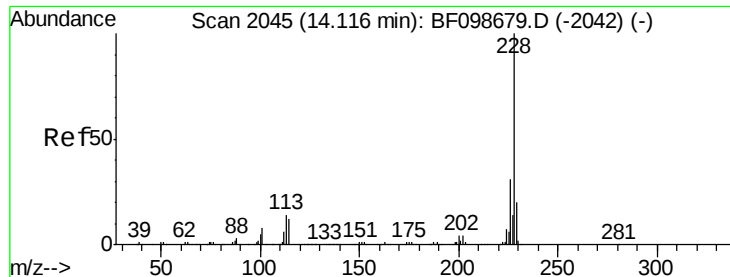
Tot Ion:244 Resp: 791761
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.4 8.0
 122 12.7 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 2.73 ng
 RT: 14.10 min Scan# 2043
 Delta R.T. 0.03 min
 Lab File: BF098920.D
 Acq: 28 Sep 2017 21:31

Tgt Ion:228 Resp: 40952
 Ion Ratio Lower Upper
 228 100
 226 30.0 22.6 33.8
 229 23.4 15.8 23.6

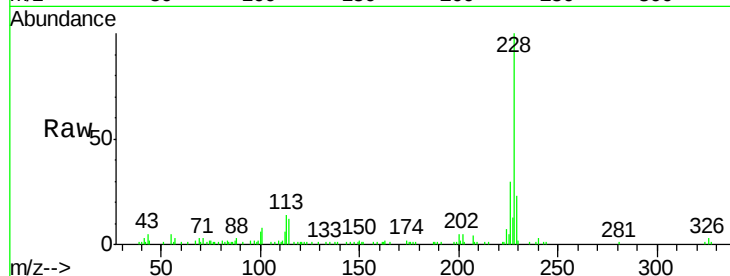




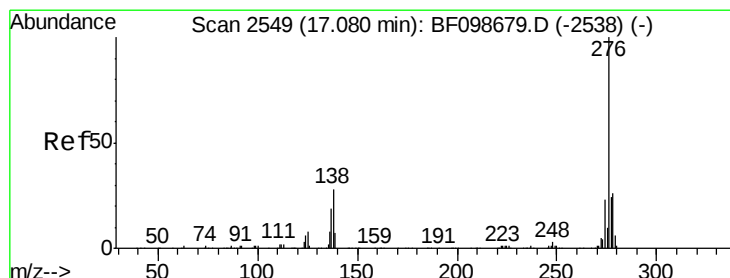
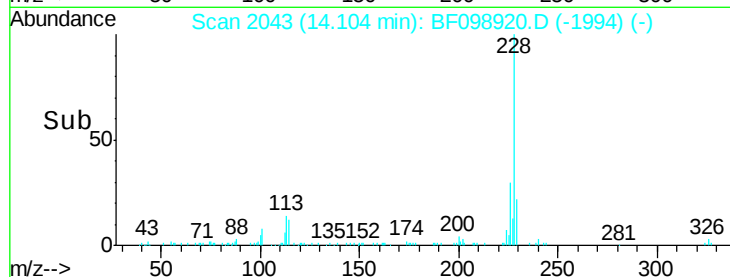
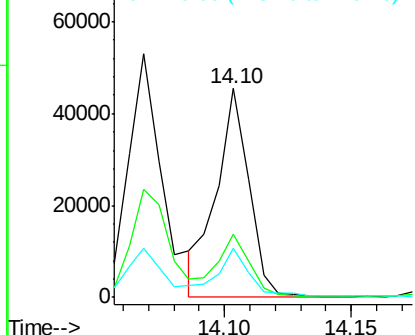
#82
Chrysene
Concen: 2.86 ng
RT: 14.10 min Scan# 2043
Delta R.T. -0.01 min
Lab File: BF098920.D
Acq: 28 Sep 2017 21:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 40952
Ion Ratio Lower Upper
228 100
226 30.0 25.0 37.6
229 23.4 16.2 24.4

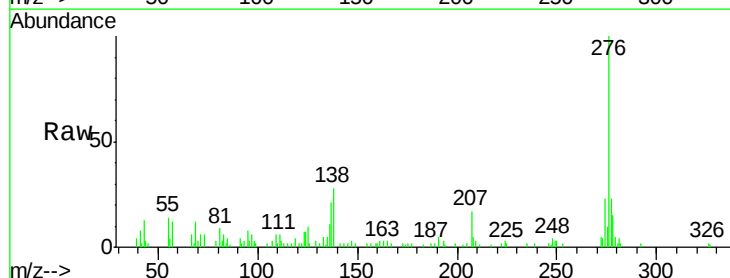


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

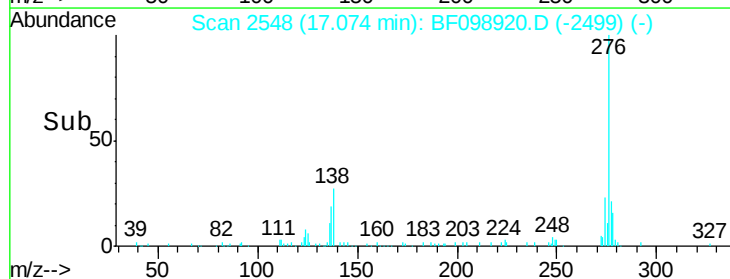
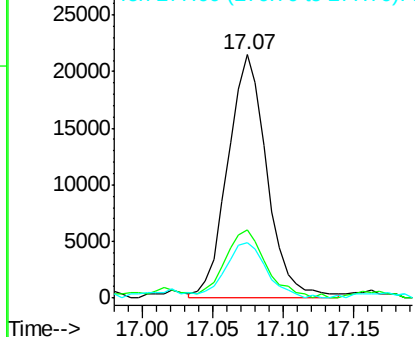


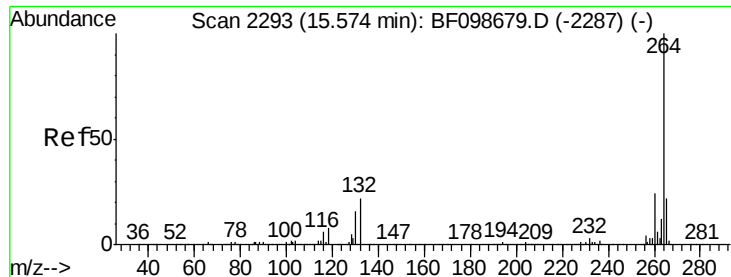
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.65 ng
RT: 17.07 min Scan# 2548
Delta R.T. -0.01 min
Lab File: BF098920.D
Acq: 28 Sep 2017 21:31

Tgt Ion:276 Resp: 41771
Ion Ratio Lower Upper
276 100
138 29.0 25.0 37.6
277 23.9 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

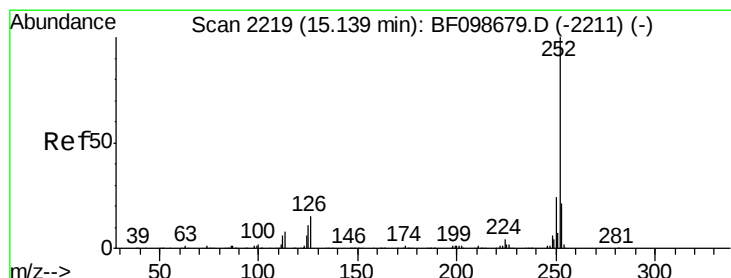
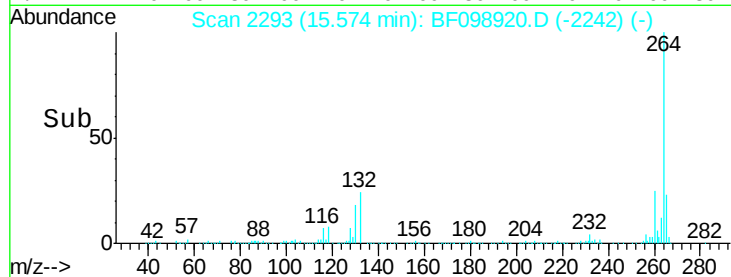
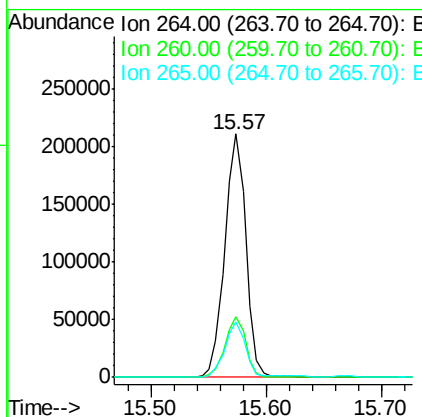
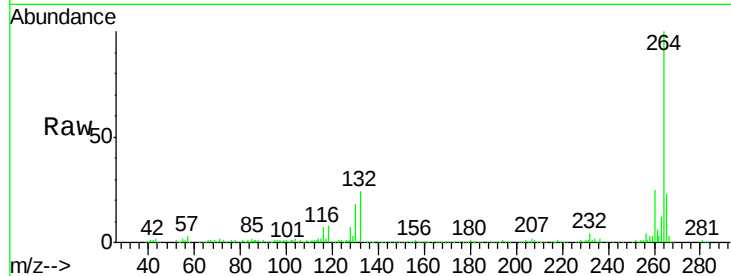




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.57 min Scan# 2293
Delta R.T. -0.00 min
Lab File: BF098920.D
Acq: 28 Sep 2017 21:31

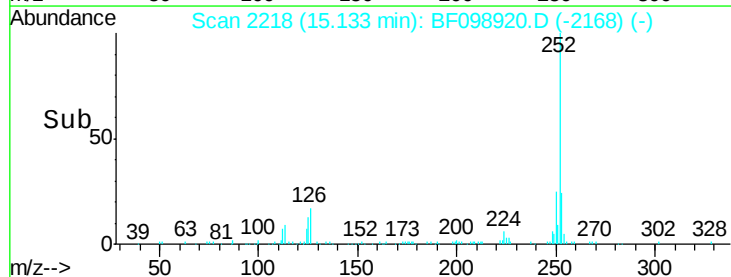
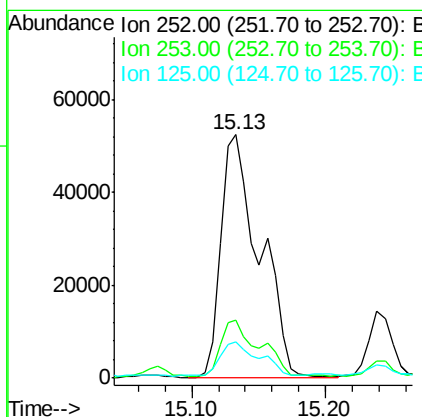
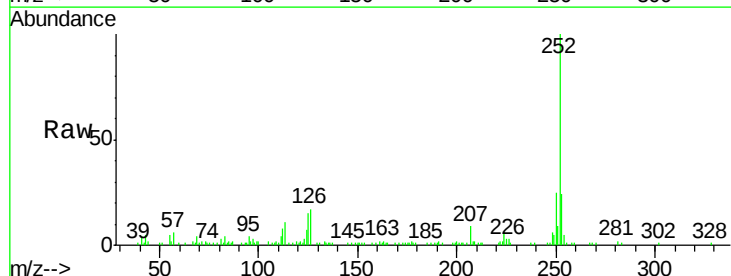
Instrument :
BNA_F
ClientSampleId :

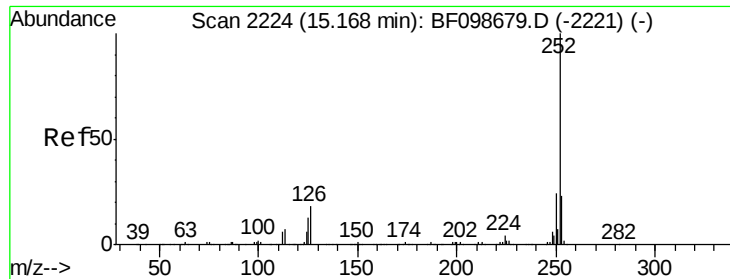
Tot Ion:264 Resp: 268338
Ion Ratio Lower Upper
264 100
260 24.7 19.2 28.8
265 22.7 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 6.49 ng
RT: 15.13 min Scan# 2218
Delta R.T. -0.01 min
Lab File: BF098920.D
Acq: 28 Sep 2017 21:31

Tgt Ion:252 Resp: 107054
Ion Ratio Lower Upper
252 100
253 23.7 17.0 25.6
125 15.0 9.0 13.6#

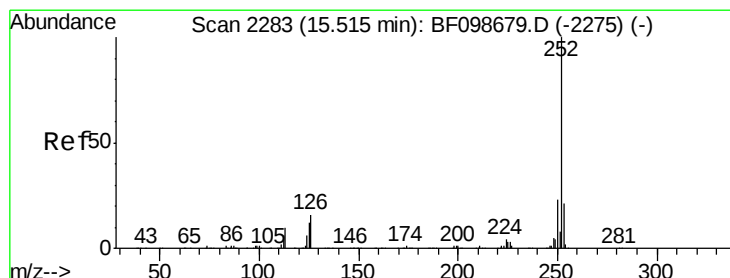
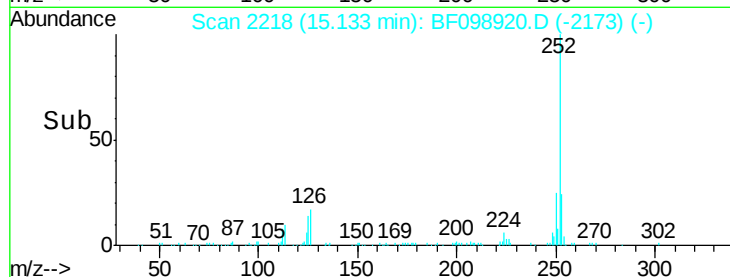
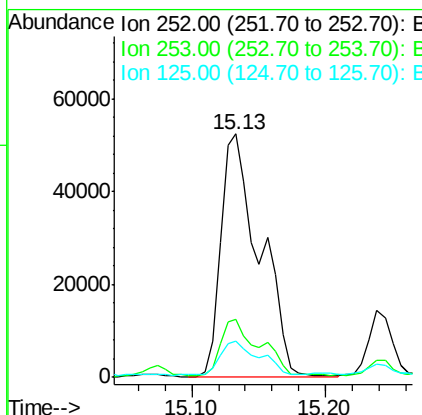
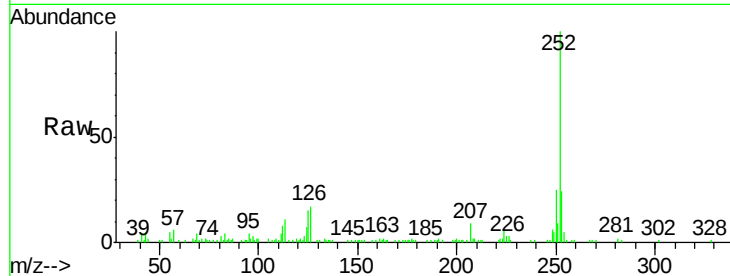




#88
Benzo(k)fluoranthene
Concen: 6.57 ng
RT: 15.13 min Scan# 2218
Delta R.T. -0.04 min
Lab File: BF098920.D
Acq: 28 Sep 2017 21:31

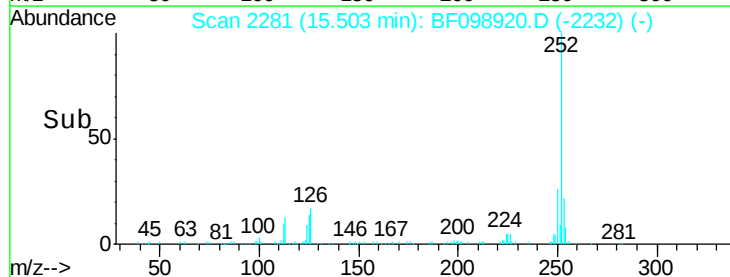
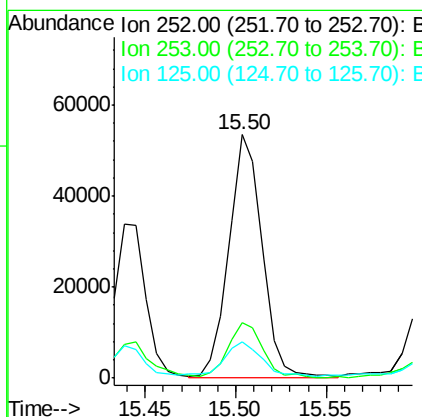
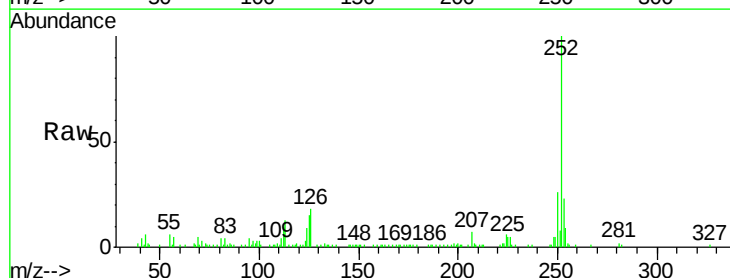
Instrument :
BNA_F
ClientSampleId :

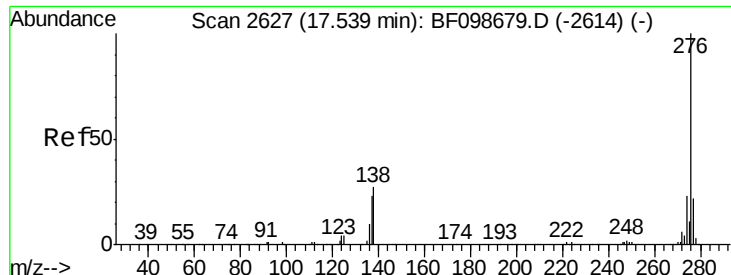
Tot Ion:252 Resp: 107054
Ion Ratio Lower Upper
252 100
253 23.7 17.9 26.9
125 15.0 10.2 15.2



#89
Benzo(a)pyrene
Concen: 4.55 ng
RT: 15.50 min Scan# 2281
Delta R.T. -0.01 min
Lab File: BF098920.D
Acq: 28 Sep 2017 21:31

Tgt Ion:252 Resp: 68904
Ion Ratio Lower Upper
252 100
253 22.6 17.1 25.7
125 14.8 9.8 14.6#

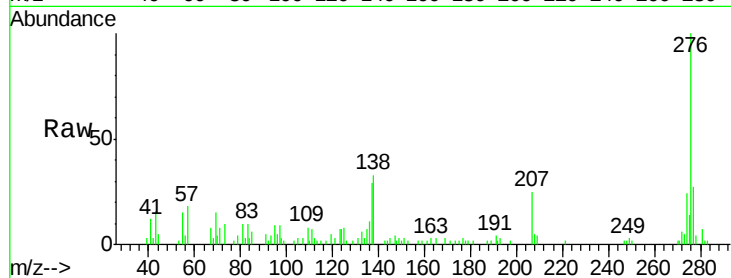




#91
 Benzo(a,h,i)perylene
 Concen: 3.03 ng
 RT: 17.53 min Scan# 2626
 Delta R.T. -0.01 min
 Lab File: BF098920.D
 Acq: 28 Sep 2017 21:31

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.9	17.9	26.9
138	32.5	21.8	32.8



Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 277.00 (276.70 to 277.70): E
 Ion 138.00 (137.70 to 138.70): E

